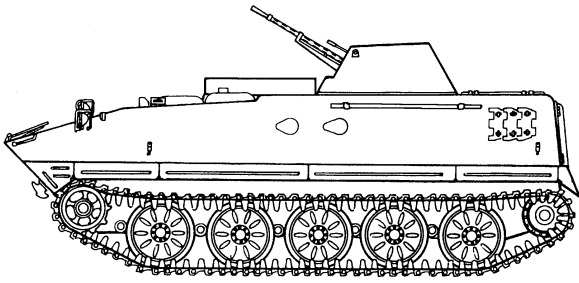


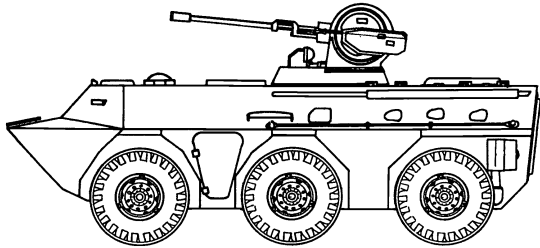
## North Korean Armored Personnel Carrier VTT-323

	<table><tr><th>Weapons &amp; Ammunition Types</th><th>Typical Combat load</th></tr><tr><td>2 x 14.5-mm KPVT MG API, API-T HE-T</td><td>1,000 500 500</td></tr><tr><td>*AT Vehicle AT-3-Type ATGM HEAT HE</td><td>4</td></tr><tr><td>SA-7/-14/16 MANPAD</td><td>2</td></tr></table>	Weapons & Ammunition Types	Typical Combat load	2 x 14.5-mm KPVT MG API, API-T HE-T	1,000 500 500	*AT Vehicle AT-3-Type ATGM HEAT HE	4	SA-7/-14/16 MANPAD	2
Weapons & Ammunition Types	Typical Combat load								
2 x 14.5-mm KPVT MG API, API-T HE-T	1,000 500 500								
*AT Vehicle AT-3-Type ATGM HEAT HE	4								
SA-7/-14/16 MANPAD	2								
<p><b>SYSTEM</b> <b>Alternative Designations:</b> M1973 <b>Date of Introduction:</b> 1973 <b>Proliferation:</b> At least one country</p> <p><b>Description:</b> Crew: 3 Troop Capacity: 9 passengers Combat Weight (mt): 13.5 Length Overall (m): 6.20 Height Overall (m): 2.50 Width Overall (m): 3.06 Ground Pressure (kg/cm<sup>2</sup>): 0.58</p> <p><b>Automotive Performance:</b> Engine Type: 260-hp Diesel Cruising Range (km): 450 Speed (km/h): Max Road: 80 Max Off-Road: 70-80 Average Cross-Country: INA Max Swim: 10 Fording Depths (m): Amphibious <b>Radio:</b> INA</p> <p><b>Protection:</b> Armor, Turret Front (mm): 24 Applique Armor (mm): No Explosive Reactive Armor (mm): No Active Protective System: No NBC Protection System: No Smoke Equipment: No</p> <p><b>ARMAMENT</b> <b>Main Armament:</b> Caliber, Type, Name: 2 x 14.5-mm (14.5x114) Heavy MGs, KPVT Rate of Fire (rd/min): 300 practical (2 x 150) Loader Type: Belt Ready/Stowed Rounds: INA Elevation (°): -5 to +60 Fire on Move: Yes <b>Auxiliary Weapon:</b> None <b>Firing Ports:</b> 2 on each side</p> <p><b>ATGM Launcher:</b> Name: 9P111-type Launch Method: Rail-launched Guidance: MCLOS Command Link: Wire Launcher Dismountable: Yes</p>	<p><b>FIRE CONTROL</b> <b>FCS Name:</b> No <b>Main Gun Stabilization:</b> No (est.) <b>Rangefinder:</b> No <b>Infrared Searchlight:</b> No <b>Sights w/Magnification:</b> Gunner: Day: INA Field of View (°): INA Acquisition Range (m): 1,500 Night: INA <b>Commander Fire Main Gun:</b> No</p> <p><b>VARIANTS</b> North Korean variant of Chinese <b>YW 531A/ Type 63-II</b> APC. An AT variant also mounts an AT-3-type ATGM launcher, and may include a SA-14 or SA-16 manportable air defense launcher.</p> <p>Other vehicles using the chassis are the <b>PT-85</b> light tank, a 120-mm combination gun, a 122-mm SP howitzer, 107-mm MRLs (12/18/24 tubes), a 4-barreled 14.5-mm SP AA Gun, the M1985 (AT-3-type 4-rail) ATGM launcher vehicle, and 82- and 120-mm SP mortars.</p> <p><b>MAIN ARMAMENT AMMUNITION</b> <b>Caliber, Type, Name:</b> 14.5-mm API-T Max Aimed Range (m): 2,000 (EST) Max Effective Range (m): Day: 1,500 Night: INA Tactical AA Range: 1,500 Armor Penetration (mm): 20 at 1,000 m/ 30 at 500 m, 38 at muzzle <b>Other Ammunition Types:</b> API, I-T, HE-T Type MDZ</p> <p><b>ANTITANK GUIDED MISSILES</b> See AT-3 for ATGM types. <b>Name:</b> AT-3c Imp/ Polk (Slovenian) Warhead Type: Tandem HEAT Armor Penetration (mm): 580 (RHA) Range (m): 3,000</p> <p><b>Name:</b> Red Arrow-73A (Chinese) Warhead Type: HEAT Armor Penetration (mm): 500 RHA Range (m): 3,000</p> <p><b>Name:</b> Red Arrow-73B/C (Chinese) Warhead Type: HEAT Armor Penetration (mm): 600 RHA Range (m): 3,000</p> <p><b>Other ATGMs:</b> I-RAAD (Iranian), Malvutka-2 HE (Russian)</p>								

### NOTES

Thermal sights are available. Slovenian TS-M ATGM thermal night sight ranges are: detection 4,500 m, recognition 2,000 m. The HE-Blast ATGM is used for killing personnel and destroying bunkers and other fortifications.

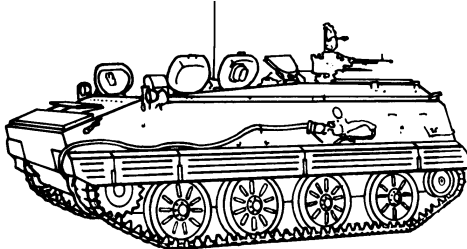
## Chinese Armored Personnel Carrier WZ 551

	<b>Weapons &amp; Ammunition Types</b>  <b>25-mm automatic gun</b> API HE  <b>7.62-mm coax MG</b>	<b>Typical Combat Load</b>  <b>*400</b> 200 200  <b>1,000</b>  *mix estimate
APC w/25-mm gun		
<p><b>SYSTEM</b></p> <p><b>Alternative Designations:</b> M1986/1, M1986/2, Type 86</p> <p><b>Date of Introduction:</b> 1994</p> <p><b>Proliferation:</b> At least 3 countries</p> <p><b>Description:</b></p> <p>Crew: 3</p> <p>Troop Capacity: 10</p> <p>Combat Weight (mt): 15.3</p> <p>Chassis Length Overall (m): 6.63</p> <p>Height Overall (m): 2.89</p> <p>Width Overall (m): 2.80</p> <p>Ground Pressure (kg/cm<sup>2</sup>): INA</p> <p>Drive Formula: 6 x 6</p> <p><b>Automotive Performance:</b></p> <p>Engine Type: 256-hp Diesel</p> <p>Cruising Range (km): 600</p> <p>Speed (km/h):</p> <p>Max Road: 85</p> <p>Max Off-Road: INA</p> <p>Average Cross-Country: INA</p> <p>Max Swim: 8</p> <p>Fording Depths (m): Amphibious</p> <p><b>Radio:</b> INA</p> <p><b>Protection:</b></p> <p>Armor, Turret Front (mm): INA</p> <p>Applique Armor (mm): N/A</p> <p>Explosive Reactive Armor (mm): N/A</p> <p>Mineclearing Equipment: No</p> <p>Self-Entrenching Blade: No</p> <p>Active Protective System: N/A</p> <p>NBC Protection System: Collective</p> <p>Smoke Equipment: 8 smoke grenade launchers</p> <p><b>ARMAMENT</b></p> <p><b>Main Armament:</b></p> <p>Caliber, Type, Name: 25-mm automatic overhead turreted gun</p> <p>Rate of Fire (rd/min): 100/300/500 in bursts, or semi-automatic</p> <p>Loader Type: Drum feed</p> <p>Ready/Stowed Rounds: 200/ 200</p> <p>Elevation (°): -8 to +55</p> <p>Fire on Move: Yes, reduced range (est.)</p> <p><b>Auxiliary Weapon:</b></p> <p>Caliber, Type, Name: 7.62-mm machinegun PKT</p> <p>Mount Type: Coax</p> <p>Max Aimed Range (m): 2,000</p>	<p>Max Effective Range (m):</p> <p>Day: 1,000</p> <p>Night: 800+</p> <p>Fire on Move: Yes</p> <p>Rate of Fire (rd/min): 250 practical/ 650 cyclic, 2-10 round bursts</p> <p><b>ATGM Launcher:</b> N/A</p> <p><b>Firing Ports:</b> 4</p> <p><b>FIRE CONTROL</b></p> <p><b>FCS Name:</b> N/A</p> <p><b>Main Gun Stabilization:</b> INA</p> <p><b>Rangefinder:</b> INA</p> <p><b>Infrared Searchlight:</b> IR sight w/searchlight optional</p> <p><b>Sights w/Magnification:</b></p> <p>Gunner: Day/night sight</p> <p>Day: INA</p> <p>Field of View (°): INA</p> <p>Acquisition Range (m): INA</p> <p>Night: II</p> <p>Field of View (°): INA</p> <p>Acquisition Range (m): INA</p> <p><b>Commander Fire Main Gun:</b> No</p> <p><b>VARIANTS</b></p> <p>Other versions include APCs with other 25-mm guns, and with 12.7-mm machinegun. There are also IFV variants with the Dragar 1-man turret and 25-mm gun, and the BMP-1 turret with 73-mm gun. Other vehicle types include: C3 vehicle, ambulance, and an engineer vehicle. The ATGM launcher vehicle variants launch Red Arrow-8E (HJ-8E), and the new Red Arrow-9 (HJ-9) ATGM.</p> <p><b>MAIN ARMAMENT AMMUNITION</b></p> <p><b>Caliber, Type, Name:</b> 25-mm API</p> <p>Max Aimed Range (m): INA</p> <p>Max Effective Range (m):</p> <p>Day: 2,000 (est.)</p> <p>Night: INA</p> <p>Tactical AA Range: 2,000 (est)</p> <p>Armor Penetration (mm): INA</p> <p><b>Caliber, Type, Name:</b> 25-mm HE</p> <p>Max Aimed Range (m): INA</p> <p>Max Effective Range (m):</p> <p>Day: 2,000+ (est)</p> <p>Night: INA</p> <p>Tactical AA Range: 2,000 (est)</p> <p>Armor penetration (mm): INA</p> <p><b>Other Ammunition Types:</b> INA</p>	

### NOTES

The tires have run-flat capability.

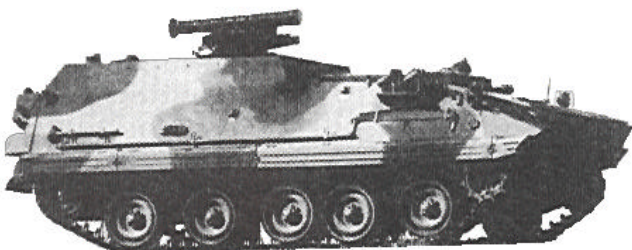
## Chinese Armored Personnel Carrier YW 531A/531C

	<b>Weapons &amp; Ammunition Types</b>  <b>12.7-mm MG</b> APDS, API, API-T, HE-T, HEI	<b>Typical Combat Load</b>  <b>1,120</b> 500 620
YW 531 Baseline APC		
<p><b>SYSTEM</b> Data is for YW 531A/C where different</p> <p><b>Alternative Designations:</b> Type 63, North Korean M1967</p> <p><b>Date of Introduction:</b> Late 1960s</p> <p><b>Proliferation:</b> At least 9 countries</p> <p><b>Description:</b> Crew: 4 Troop Capacity: 10 passengers Combat Weight (mt): 12.60 Chassis Length Overall (m): 5.48 Height Overall (m): 2.85 Width Overall (m): 2.98 Ground Pressure (kg/cm<sup>3</sup>): 0.44</p> <p><b>Automotive Performance:</b> Engine Type: 260-hp Diesel/320-hp Diesel Cruising Range (km): 500 Speed (km/h): Max Road: 42/66 Max Off-Road: 32/40 Average Cross-Country: INA Max Swim: 6.0 Fording Depths (m): Amphibious</p> <p><b>Radio:</b> Type 889</p> <p><b>Protection:</b> Armor, Turret Front (mm): 14, front glacis Applique Armor (mm): N/A Explosive Reactive Armor (mm): N/A Mineclearing Equipment: N/A Self-Entrenching Blade: N/A Active Protective System: NA NBC Protection System: N/A Smoke Equipment: N/A</p> <p><b>ARMAMENT</b> <b>Main Armament:</b> Caliber, Type, Name: 12.7-mm (12.7 x 108), heavy MG, Type 54 Rate of Fire (rd/min): 80-100 practical/600 air targets in bursts Loader Type: Belt feed Ready/Stowed Rounds: INA Elevation (°): -5 to +85 Fire on Move: Yes</p> <p><b>Auxiliary Weapon:</b> N/A <b>ATGM Launcher:</b> N/A <b>Firing Ports:</b> 2 left side, 1 right, 1 in the rear/1 each side and rear</p> <p><b>FIRE CONTROL</b> <b>FCS Name:</b> N/A</p>	<p><b>Main Gun Stabilization:</b> N/A <b>Rangefinder:</b> N/A <b>Infrared Searchlight:</b> N/A <b>Sights w/Magnification:</b> Gunner: Day: Open ladder sight, optical sight, NFI Field of View (°): INA Acquisition Range (m): 3,300 Night: N/A <b>Commander Fire Main Gun:</b> No</p> <p><b>VARIANTS</b> <b>YW531A/Type 63-II:</b> Upgrade APC with gun shield. Other vehicles with this chassis are: <b>YW 531B</b> and <b>Type 54-1</b> 122-mm SP howitzer, <b>Type 70</b> 130-mm (19-tube) MRL, and a Red Arrow-8 ATGM launcher vehicle with 4-rail launcher and 4 stowed ATGMs.</p> <p><b>YW-531C:</b> Variant APC with gun shield, better vision ports, and ventilation. Other vehicles use this chassis, including <b>YW 750</b> ambulance, and <b>YW 701A/B</b> and <b>YW 702</b> command post vehicles. The <b>C, D</b> and <b>E</b> variants differ in intercom sets and firing ports. Two SP mortar variants are <b>Type YW-304</b> (82-mm M-1937 type, 120 rounds, 3,040 m) and <b>Type YW-381</b> (120-mm, 50 rds, 7,700 m).</p> <p><b>YW-531H/Type 85, Type 89, and Type 90:</b> Expanded 5-road wheel variants. For the <b>-H</b> variant and vehicle series, see sheet.</p> <p><b>VTT-323:</b> North Korean variant, also known as <b>M1973</b> (See sheet).</p> <p><b>MAIN ARMAMENT AMMUNITION</b> <b>Caliber, Type, Name:</b> 12.7-mm, APDS (Tungsten Core), Type 54 Max Aimed Range (m): 2,000 (est) Max Effective Range (m): Day: 1,500 vehicles, 1,600 aircraft Night: INA Tactical AA Range: 1,600 Armor Penetration (mm): INA</p> <p>12.7-mm, API, Type 54 Max Aimed Range (m): 2,000 (est) Max Effective Range (m): Day: 1,500 Unarmored ground, 800 armored vehicles Night: INA Tactical AA Range: 1,600 Armor Penetration (mm): 21 (RHA) at 500 m, 13 at 1,000 m</p> <p><b>Other Ammunition Types:</b> API-T, Russian Duplex, Russian Duplex-T, Incendiary-T, HE-T Type MDZ, HEI Type ZP</p>	

### NOTES

Type 54 MG is a Chinese copy of former Soviet 12.7-mm DShKM.

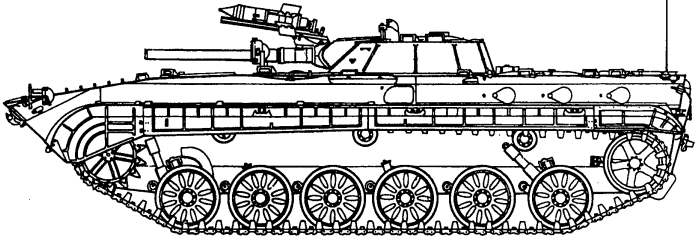
## Chinese Armored Personnel Carrier YW 531H and Vehicle Series Type 85

	<table><tr><th>Weapons &amp; Ammunition Types</th><th>Typical Combat Load</th></tr><tr><td><b>12.7-mm MG</b> APDS, API, API-T, HE-T, HEI</td><td><b>1,120</b> 500 620</td></tr><tr><td>or</td><td></td></tr><tr><td><b>Missile Launcher</b> (ATGM launcher vehicle) HEAT ATGM</td><td><b>8</b></td></tr></table>	Weapons & Ammunition Types	Typical Combat Load	<b>12.7-mm MG</b> APDS, API, API-T, HE-T, HEI	<b>1,120</b> 500 620	or		<b>Missile Launcher</b> (ATGM launcher vehicle) HEAT ATGM	<b>8</b>
Weapons & Ammunition Types	Typical Combat Load								
<b>12.7-mm MG</b> APDS, API, API-T, HE-T, HEI	<b>1,120</b> 500 620								
or									
<b>Missile Launcher</b> (ATGM launcher vehicle) HEAT ATGM	<b>8</b>								
Type 85 ATGM Launcher Vehicle with Red Arrow-8 ATGM									

<p><b>SYSTEM:</b> Data is for APC / ATGM vehicle where different</p> <p><b>Alternative Designations:</b> Type 85 is preferred nomenclature</p> <p><b>Date of Introduction:</b> 1986</p> <p><b>Proliferation:</b> At least 4 countries</p> <p><b>Description:</b></p> <p>Crew: 2 / 4</p> <p>Troop Capacity: 13 / 0 passengers</p> <p>Combat Weight (mt): 13.6 / 13.8</p> <p>Chassis Length Overall (m): 5.9</p> <p>Height Overall (m): 2.85 / INA</p> <p>Width Overall (m): 2.98</p> <p>Ground Pressure (kg/cm<sup>2</sup>): 0.59</p> <p><b>Automotive Performance:</b></p> <p>Engine Type: 320-hp Diesel</p> <p>Cruising Range (km): 500</p> <p>Speed (km/h):</p> <p>Max Road: 65 / 60</p> <p>Max Off-Road: 46</p> <p>Average Cross-Country: 35</p> <p>Max Swim: 6.0</p> <p>Fording Depths (m): Amphibious</p> <p><b>Radio:</b> Type 889 / Type 889 or VRC 83</p> <p><b>Protection:</b></p> <p>Armor, Turret Front (mm): 14 front glacis</p> <p>Applique Armor (mm): N/A</p> <p>Explosive Reactive Armor (mm): N/A</p> <p>Mineclearing Equipment: N/A</p> <p>Self-Entrenching Blade: N/A</p> <p>Active Protective System: NA</p> <p>NBC Protection System: N/A</p> <p>Smoke Equipment: 2 x 4 grenade launchers, some versions</p> <p><b>ARMAMENT</b></p> <p><b>Main Armament:</b></p> <p>Caliber, Type, Name: 12.7-mm (12.7 x 108), heavy MG, Type 54</p> <p>Rate of Fire (rd/min): 80-100 practical/600 air, in bursts / 2-3</p> <p>Loader Type: Belt feed</p> <p>Ready/Stowed Rounds: 4/4 for ATGM launcher vehicle</p> <p>Elevation (°): -4 to +82 / -7 to +13</p> <p>Fire on Move: Yes / No</p> <p><b>Auxiliary Weapon:</b> N/A</p> <p><b>ATGM Launcher:</b> N/A</p> <p><b>Firing Ports:</b> 6-7 (3 on each side, 1 in rear door, Thai version)</p> <p><b>FIRE CONTROL</b></p> <p><b>FCS Name:</b> N/A</p> <p><b>Main Gun Stabilization:</b> N/A</p>	<p><b>Rangefinder:</b> N/A</p> <p><b>Infrared Searchlight:</b> N/A</p> <p><b>Sights w/Magnification:</b></p> <p>Gunner:</p> <p>Day: Open ladder sight / day periscope</p> <p>Field of View (°): INA</p> <p>Acquisition Range (m): 2,000 / 4,000</p> <p>Night: INA / Thermal sight optional</p> <p><b>Commander Fire Main Gun:</b> No</p> <p><b>VARIANTS</b></p> <p><b>Type 85:</b> Export vehicle series derived from the C-variant APC but expanded, and with addition of a fifth road wheel. Note: <b>Thai</b> version has .50 cal (12.7-mm) M2HB MG vs Type 54. The -H APC sired a new family of combat and support vehicles. Combat variants include: armored command APC, <b>YW 309</b> IFV (73-mm gun), <b>NVH-1</b> IFV (25- or 30-mm gun), <b>NVH-4</b> IFV (25-mm gun), <b>Type 70-1</b> / <b>YW 302</b> 122-mm SP howitzers and <b>YW 306</b> 130-mm MRL. Support vehicles include a maintenance engineer vehicle, recovery vehicle, command post vehicle, fire fighting vehicle, and WZ 751 ambulance. Mortars are SP <b>Type 67</b> 82-mm (M1937-type, 120 rounds, 3,040 m max range), and <b>YW 381</b> 120-mm (50 rounds, 7,700 m max range). Each also has a 12.7-mm MG with 540 rounds.</p> <p><b>Type 85 ATGM launcher vehicle:</b> Raised hull variant with 4-rail launcher turret for Red Arrow-8 SACLOS wire-guided ATGM. The ROF is 2-3 rd/min. See launcher sheet for ATGM data.</p> <p><b>Type 89/ YW 534:</b> A 5-wheeled APC, combat, and support vehicle series (250 mm longer and 74 mm wider) for Chinese forces.</p> <p><b>MAIN ARMAMENT AMMUNITION</b></p> <p><b>Caliber, Type, Name:</b></p> <p>12.7-mm, APDS (Tungsten Core), Type 54</p> <p>Max Aimed Range (m): 2,000</p> <p>Max Effective Range (m):</p> <p>Day: 1,500 vehicles /1,600 aircraft</p> <p>Night: INA</p> <p>Tactical AA Range: 1,600</p> <p>Armor Penetration (mm): INA</p> <p>12.7-mm, API, Type 54</p> <p>Max Aimed Range (m): 2,000</p> <p>Max Effective Range (m):</p> <p>Day: 1,500 Unarmored ground / 800 armored</p> <p>Night: INA</p> <p>Tactical AA Range: 1,000</p> <p>Armor Penetration (mm): 21 (RHA) at 500 m, 13 at 1,000 m</p> <p><b>Other Ammunition Types:</b> API-T, Russian Duplex, Russian Duplex-T, Incendiary-T, HE-T Type MDZ, HEI Type ZP</p>
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NOTES None

## Russian Infantry Fighting Vehicle BMP-1

	<table> <tr> <th>Weapons &amp; Ammunition Types</th><th>Typical Combat load</th></tr> <tr> <td>73-mm gun</td><td>40</td></tr> <tr> <td>HEAT</td><td>20</td></tr> <tr> <td>HE</td><td>20</td></tr> <tr> <td>AT-3/a/b/C/Imp ATGM</td><td>5</td></tr> <tr> <td>HEAT</td><td>3</td></tr> <tr> <td>HE</td><td>2</td></tr> <tr> <td>7.62-mm coax MG</td><td>2,000</td></tr> </table>	Weapons & Ammunition Types	Typical Combat load	73-mm gun	40	HEAT	20	HE	20	AT-3/a/b/C/Imp ATGM	5	HEAT	3	HE	2	7.62-mm coax MG	2,000
Weapons & Ammunition Types	Typical Combat load																
73-mm gun	40																
HEAT	20																
HE	20																
AT-3/a/b/C/Imp ATGM	5																
HEAT	3																
HE	2																
7.62-mm coax MG	2,000																
<p><b>SYSTEM</b>  <b>Alternative Designations:</b> BMP Model 1970, Korshun  <b>Date of Introduction:</b> 1970  <b>Proliferation:</b> At least 33 countries  <b>Description:</b>  Crew: 3  Troop Capacity: 6 passengers (+2)  Combat Weight (mt): 13.3  Length Overall (m): 6.74  Height Overall (m): 2.15  Width Overall (m): 2.94  Ground Pressure (kg/cm<sup>2</sup>): 0.57</p> <p><b>Automotive Performance:</b>  Engine Type: Diesel  Cruising Range (km): 600  Speed (km/h):  Max Road: 65  Max Off-Road: 40-45  Average Cross-Country: INA  Max Swim: 7  Fording Depths (m): Amphibious  Mineclearing Equipment: KMT-8 or 10 mine plow available  Self-Entrenching Blade: No  <b>Radio:</b> R-123, R-M or R-173</p> <p><b>Protection:</b>  Armor, Turret Front (mm): 19-23  Applique Armor (mm): Available  Explosive Reactive Armor (mm): Available  Active Protective System: No  NBC Protection System: Collective protection  Smoke Equipment: Vehicle engine exhaust smoke system (VEESS)</p> <p><b>ARMAMENT</b>  <b>Main Armament:</b>  Caliber, Type, Name: 73-mm smoothbore gun 2A28/Grom  Rate of Fire: 7-8 rd/min  Loader Type: Autoloader  Ready/Stowed Rounds: 40 / 0  Elevation (°): -4 to +33  Fire on Move: Yes, but only 10 km/h or less (est.)</p> <p><b>Auxiliary Weapon:</b>  Caliber, Type, Name: 7.62-mm (7.62x 54R) Machinegun PKT  Mount Type: Coax  Max Aimed Range (m): 1,300  Max Effective Range (m):  Day: 1,000 / 400-500 on the move  Night: 800  Fire on Move: Yes  Rate of Fire: 250 rpm (practical, in 2-10 round bursts)</p>	<p><b>Firing Ports:</b> 4 on each side, 1 in left rear door</p> <p><b>ATGM Launcher:</b>  Name: 9P111  Launch Method: Rail-launched  Guidance: MCLOS  Command Link: Wire  Launcher Dismountable: Yes</p> <p><b>FIRE CONTROL</b>  <b>FCS Name:</b> INA  <b>Main Gun Stabilization:</b> No  <b>Rangefinder:</b> Laser  <b>Infrared Searchlight:</b> Yes  <b>Sights w/Magnification:</b>  Gunner:  Day: 1PN22M1, 8x  Field of View (°): 15  Acquisition Range (m):  Night: 1PN22M1, 6x  Field of View (°): 6  Acquisition Range (m): 800-1,000, based on light  <b>Commander Fire Main Gun:</b> No</p> <p><b>VARIANTS</b>  Earlier models, referred to as <b>BMP</b> and <b>BMP-A</b> were produced in small numbers from 1966. The standard BMP-1 (<b>Model 1970</b>) features improved fume venting, NBC protection, and swim features. Copies include: Chinese <b>WZ 501/Type 86</b>, Czech <b>BVP-1</b>, and the Polish <b>BWP-1</b>. A variety of variant IFVs/APCs and support vehicles have been developed using this chassis. For instance, the Chinese <b>WZ 503</b> is a raised hull APC variant replacing the 73-mm gun with a 12.7-mm MG. The <b>WZ 504</b> is an ATGM launcher vehicle with 4-rail AT-3-type ATGM launcher. The <b>WZ 505</b> is an ambulance vehicle; and <b>WZ 506</b> is a regimental command and staff vehicle.</p> <p><b>BMP-1K:</b> Company command IFV, with added R-126 and R-107 transceivers. Firing ports and most periscopes are blocked.</p> <p><b>BMP-1KSh:</b> Former Soviet regiment or division command and staff vehicle, with turret mounted erectable 10-meter radio mast. Radios include R-130, R-111, and R-173.</p> <p><b>BMP-1M:</b> Iranian variant with drop rear gate vs double doors.</p> <p><b>BMP-1P:</b> Widely fielded FSU IFV with an AT-4/5 ATGM launcher and smoke grenade launchers (see pp. 2-21 and 2-22).</p> <p><b>BMP-1PG:</b> Recently offered upgrade similar to BMP-1P with an automatic grenade launcher and other options (see p. 2-21).</p> <p><b>BMP-1PK:</b> Command variant for BMP-1P (see p. 2-21).</p>																

## Russian Infantry Fighting Vehicle BMP-1 continued

<p><b>BPzV:</b> Czechoslovakian reconnaissance variant with a TALL MIKE external tripod mounted radar.</p> <p><b>BREM-2:</b> Light recovery and repair vehicle with a light crane.</p> <p><b>BREM-4:</b> Armored recovery vehicle. Czech version is VPV.</p> <p><b>BRM-1, BRM-1K:</b> Reconnaissance command variants with improved sensors and low-profile 2-man turret (see p. 3-4).</p> <p><b>BRM-23:</b> Bulgarian reconnaissance variant with a 23-mm cannon, AT-3 ATGM, navigation system, NBC and artillery reconnaissance devices, and image intensifier night sights.</p> <p><b>IMR:</b> Armored engineer tractor, with crane and dozer blade.</p> <p><b>IRM:</b> Engineer underwater reconnaissance vehicle, with mine detectors and mapping capabilities.</p> <p><b>MLI-84:</b> Romanian APC variant with a 12.7-mm MG.</p> <p><b>MP-31:</b> Modernized command and staff vehicle.</p> <p><b>OT-90:</b> Czech APC variant with 14.5-mm and 7.62-mm MGs.</p> <p><b>PRAM-S:</b> Czechoslovakian self-propelled 120-mm mortar variant.</p> <p><b>PRP-3/PRP-4:</b> Artillery reconnaissance vehicle (see p. 6-3).</p> <p><b>Snezka:</b> Czech stretched version battlefield surveillance vehicle, with a sensor suite (including radar) mounted on a telescoping arm.</p> <p><b>SVO:</b> Czechoslovakian turretless mine clearing variant with 24 large rocket-propelled line charges.</p> <p><b>VP90:</b> Czech reconnaissance vehicle with 14.5 and 7.62-mm MGs</p> <p><b>Main Armament Ammunition:</b>  Caliber, Type, Name: 73-mm HEAT-FS, PG-9  Max Aimed Range (m): 1,300  Max Effective Range (m):  Day: 800, but 600 or less on the move in 2-4 rd bursts  Night: 800  Tactical AA Range: INA  Armor Penetration (mm): 335 (RHA)</p> <p>Caliber, Type, Name: 73-mm HEAT-FS, NFI  Max Aimed Range (m): 1,300</p>	<p>Max Effective Range (m):  Day: 1,000/ 600 or less on the move  Night: 800-1,000  Tactical AA Range: INA  Armor Penetration (mm): &gt;400 (RHA)</p> <p>Caliber, Type, Name: 73-mm HE, OG-9M1  Max Aimed Range (m): 4,500  Max Effective Range (m):  Day: 1,300/ 600-1,000 on the move  Night: 800-1,000  Tactical AA Range: INA  Armor penetration (mm): INA</p> <p><b>Other Ammunition Types:</b> OG-9, OG-9M</p> <p><b>Antitank Guided Missiles:</b>  Name: AT-3 Malyutka/-3a, -b Malyutka-M  Warhead Type: Tandem HEAT  Armor Penetration (mm): 410 (RHA)  Range (m): 800-3,000</p> <p>Name: AT-3c/ Malyutka-P  Warhead Type: Tandem HEAT  Armor Penetration (mm): 520 (RHA)  Range (m): 800-3,000</p> <p>Name: AT-3c Imp/ Polk (Slovenia)  Warhead Type: Tandem HEAT  Armor Penetration (mm): 580 (RHA)  Range (m): 3,000</p> <p>Name: Malyutka-2 (Russian)  Warhead Type: Tandem HEAT  Armor Penetration (mm): 800 (RHA)  Range (m): 3,000</p> <p>Name: Red Arrow-73A (Chinese)  Warhead Type: HEAT  Armor Penetration (mm): 500 RHA  Range (m): 3,000</p> <p>Name: Red Arrow-73B/C (Chinese)  Warhead Type: HEAT  Armor Penetration (mm): 600 RHA  Range (m): 3,000</p> <p>Name: Malyutka-2 HE (Russian)  Warhead Type: Frag-HE  Armor Penetration (mm): INA  Range (m): 3,000</p>
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### NOTES

Thermal gunner sights are available; however, most upgrades involve adding a thermal sight with an improved gun and improved fire control system. The Slovenian TS-M ATGM thermal night sight has a detection range of 4,500 m and a recognition range of 2,000 m.

Russian BMP-2 2-man turrets with gun and fire control system are being marketed for BMP-1 customers. The Volgograd Tractor Plant offers the BMP-1/B30 package with a B30 turret (a drop-in one-man turret with 2A42 30-mm gun, 7.62-mm coax MG, BMP-2-type fire control system, PZU-8 AA sight, and a 9P135M ATGM launcher for AT-4/-5 ATGM). Russian KBP offers a drop-in one-man turret, called Kliver, with a stabilized 2A72 30-mm gun, a 4-Kornet ATGM launcher, thermal sights, and improved fire control system. A Ukrainian turret is also available.

Russian AG-17 30-mm AGL modification is available for use on BMP-1. A French SNPE ERA kit and others are available for use on the BMP-1. Other options are improved tracks, spall liners, air conditioning, smoke grenade launchers/laser warning receivers, and a more powerful engine (360 hp).

The AT-3-type ATGM can be upgraded by an operator with a new warhead in minutes. Low-mid-level maintenance can upgrade the missile motor. The HE-Blast ATGM is used for killing personnel and destroying bunkers and other fortifications. The AT-3C Polk features a nose probe, an improved motor for increased velocity, lower smoke and noise signature, and a SACLOS launcher with improved sights.